AN ARTICULATED VEHICLE, AN ARTICULATION DEVICE AND A DRIVE TRANSMISSION

ABSTRACT

An articulated vehicle is made up of two independently moveable vehicle bodies, for instance tracked vehicle bodies. The first vehicle body has an engine and the second one has a motor/generator. An articulation device connects them to allow the first vehicle body to drive the second vehicle body or vice versa or even for them to act together. A drive transmission that can be used in the vehicle allows power to be input from two shafts or for one of the shafts to be an additional power output. An articulation device that can be used in the vehicle allows quick alignment and/or coupling and decoupling of the two bodies.

Figure 1